

IN THE CLAIMS

Please substitute the following new claims:

Sub B3
8. A device for intravascular cardiac valve surgery, comprising:
a micro axial pump (40) fastened to a catheter (10) and having a tubular pump

portion (14); and

a dilating device (18) surrounding the pump portion (14) wherein said dilating device is configured for breaking up a stenosis of a catheter valve upon deployment while positioned within said cardiac valve (AK).

9. The device of claim 8, characterized in that the pump portion (14) comprises a pump ring (15) and a tubular cannula (16) connected therewith.

10. The device of claim 8, characterized in that the dilating device (18) comprises an annular high-pressure balloon inflatable to at least 1.0 bar.

11. The device of claim 10, characterized in that the pump portion (14) comprises a pump ring (15) and a tubular cannula (16) connected therewith.

12. The device of claim 11, wherein the high-pressure balloon is seated on a rigid annular support.

13. The device of claim 10, wherein the high-pressure balloon is seated on a rigid annular support.

14. A device for intravascular cardiac valve surgery, comprising:
a micro axial pump (40) fastened to a catheter (10) and having a tubular pump portion (14);
a dilating device (18) for expanding a stent (21); and
a stent (21) carrying a folded flexible cardiac valve prosthesis (20) and being adapted to be expanded by the dilating device (17).

15. The device of claim 14, wherein the cardiac valve prosthesis (20) has a hose-shaped wall (24) that is folded together with a balloon wall of the dilating device (17).

16. The device of claim 14, wherein the cardiac valve prosthesis (20) is sewn to the stent (21).

17. The device of claim 16, wherein the cardiac valve prosthesis (20) has a hose-shaped wall (24) that is folded together with a balloon wall of the dilating device (17).

Please cancel original claims 1 - 7 without prejudice.